CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory
An ISO 9001:2008 Certified Company
NABL - Accredited Laboratory as per ISO / IEC-17025 : 2005

JAS-ANZ BSCIC ISO 9001 REGISTERED

Job No.: CTCE/BBMP/W.No.01/KRIDL/CUBE/2013-14 09.07.2014

TEST REPORT ON CONCRETE CUBES

Client : **Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.

Agency : **Technical Manager,** KRIDL, Bangalore.

Name of the work : Development of Dhobhi Ghat in Ward No.01 instead of Construction of RCC Culvert at Kempegowda Circle in Ward No.01 of Yelahanka Sub Division, BBMP, Bangalore.

Reference : BBMP/AEE/YSD/PR/87/2014-15 Dated: 24.07.2014

Sample ID : Drain Concrete

Size of cubes : 150mmx150mmx150mm

Cross Sectional Area : 22500 mm^2

Technical Reference : IS: 516-1959 (Reaffirmed 2008)

Grade of Concrete : M_{15}

Compressive Strength as on : 7^{th} day

Sl.No.	Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	02.07.2014	09.07.2014	8.159	255.5	11.36
2	02.07.2014	09.07.2014	8.290	260.3	11.57
3	02.07.2014	09.07.2014	8.375	275.3	12.24

Note:

1. The report shall not be reproduced, except in full, without the written approval of the laboratory.
2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 15 days from the date of testing.

Asst. Executive Engineer
Yelahanka Sub Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara
Basaveshwaranagar,
Bangalore-560079.

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Job No: CTCE/BBMP/W.No.01/KRIDL/Kerb Stone/2014-15 20.06.2014

TEST REPORT ON CONCRETE CORE (KERB STONE)

Name of Client : Asst. Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.

Name of Agency : Technical Manager, KRIDL, Bangalore.

Name of work : Development of Dhobhi Ghat in Ward No.01 instead of Construction of RCC Culvert at Kempegowda Circle in Ward No.01 of Yelahanka Sub Division, BBMP, Bangalore.

Reference : BBMP/AEE/YSD/PR/87/2014-15 Dated: 24.07.2014

Technical Reference : IS:516-1959 (Reaffirmed 2008), SP-24:1983.

Date of Testing : 20.06.2014

Grade of Concrete : M_{15}

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylindet Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	78.00	0.385	2513.83	1.56	0.955	25.20	12.83	13.86	13.24	16.55
2	50.00	79.00	0.390	2514.25	1.58	0.960	25.90	13.19	14.25	13.68	17.10
3	50.00	80.00	0.399	2540.11	1.60	0.965	26.30	13.39	14.47	13.96	17.45

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M/s. Civil-Tech Consultants & Engineers
23/14, 7th Cross, 3rd Stage,
4th Block, Shakthiganapathinagara
Basaveshwaranagar,
Bangalore-560079.

Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Yes. Zo)
Yelahanka, Bangalore

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Job No.: CTCE/BBMP/W.No.01/KRIDL/Paver Block/2014-15 Date: 20.06.2014

TEST REPORT

Client	:	**Asst. Executive Engineer**, Yelahanka Sub Division, BBMP, Bangalore.
Agency	:	**Technical Manager**, KRIDL, Bangalore.
Name of the work	:	Development of Dhobhi Ghat in Ward No.01 instead of Construction of RCC Culvert at Kempegowda Circle in Ward No.01 of Yelahanka Sub Division, BBMP, Bangalore.
Reference	:	BBMP/AEE/YSD/PR/87/2014-15 Dated: 24.07.2014
Type of the test	:	Physical tests on Paver Blocks
Samples supplied by	:	AGENCY

The results of the tests conducted on the Paver Blocks sample are as follows:

1. THICKNESS:

Sl. No	Identification	Thickness, mm	Average thickness, mm
1	01	60.25	60.30
2	02	60.35	

2. COMPRESSIVE STRENGTH:

Sl. No	Identification	Load in Kilo-Newton	Cross sectional area, mm^2	Compressive strength N/mm^2
1	01	784.6	24,200	32.42
2	02	785.2	24,200	32.44

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Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Yes. Zn.)
Yelahanka, Bangalore

M/s. Civil-Tech Consultants & Engineers
#23/14, 7th Cross, 3rd Stage,
4th Block, Shakthi Ganapathinagara
Basaveshwaranagar,
Bangalore-560079.